

Garant
Fluteless machine tap without oil grooves HSS-E-PM 6HX, TiN, M: M5

Order data

Order number	139125 M5
GTIN	4045197508706
Item class	11H

Description
Version:

 Size M1–M1.4 – **tolerance class:** ISO 1X / 4HX

DIN 2174 (\approx **DIN 371** \leq M10; \approx **DIN 376** \geq M12).

 The **innovative polygon form** permits a wide application spectrum. The **multi-function layer structure** achieves **maximum service life** even in **high-tensile materials**.

Tolerance class: ISO 2X 6HX

Thread pitch: 0.8 mm

Overall length L: 70 mm

 Shank $\varnothing D_s$: 6 mm

 Shank square \square : 4.9 mm

 Tapping hole \varnothing guide value: 4.65 mm

Technical description

Number of clamping slots	4
Number of cutting edges Z	4
Thread \varnothing	5 mm
Thread pitch	0.8 mm
Shank $\varnothing D_s$	6 mm
Shank square \square	4.9 mm
Overall length L	70 mm
Tapping hole \varnothing guide value	4.65 mm
Tolerance class	ISO 2X 6HX

Thread depth	7.5 mm
Thread size	M5
Coating	TiN
Thread type	M
Flank angle	60°
Tool material	HSS E PM
Standard	DIN 2174
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 1.5×D for through holes
Application for type of drilling	up to 1.5×D for blind holes
Cutting direction	right-hand
Colour ring	green
Type of product	Fluteless tap

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions	42 m/min	N
Aluminium (short chipping)	suitable	42 m/min	N
Steel < 500 N/mm ²	suitable	37 m/min	P
Steel < 750 N/mm ²	suitable	32 m/min	P
Steel < 900 N/mm ²	suitable	27 m/min	P
Steel < 1100 N/mm ²	suitable	22 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	17 m/min	P
INOX < 900 N/mm ²	suitable	12 m/min	M

CuZn	suitable only under restricted conditions	22 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		